

**HEAT SINK FOR CONVECTION COOLING IN HORIZONTAL
APPLICATIONS**

Abstract

A heat sink for free convection cooling in horizontal applications is provided. Specifically, the heat sink includes a plurality of spaced apart cooling fins, which are supported by an angled base. The cooling fins are transversely attached to the base and extend in a substantially vertical direction. In addition, the cooling fins extend beyond an outer edge of the base so that air can flow horizontally beneath the base and then vertically through the spaced apart cooling fins.